

3.5

Eco RI

Kpn I (158)

Pst I (538)

Sac I (661)

Pvu II (715)

Pvu II (836)

Pvu II (1046)

Pst I (1156)

Sma I (1309)

Pvu II (1429)

Sma I (1595)

Pvu II (1880)

Bam HI (2101)

Sma I (2417)

Pvu II (2771)

Bgl II (2872)

Eco RI



**FIG. 1B-1**

1 GCCATCTGGGCCCAAGCCCCCATGCCCGAGGAGGGGTGGTCTGAAGCCCCACCAGAGCCCCCTGCCAGACTGTCTGCCTCCCTTCTGACTC

21

11

MetAlaSerAsnSerSerCysProThrProGlyGlyGlyHisLeuAsnGlyTyrProValProProTyrAlaPhe

91 TGGCGCTTGGCATGGCCAGCAACAGCAGCTCTGCCGACACCTGGGGCGGCACCTCAATGGGTACCCGGTGCCTCCCTACGGCTTC

31

41

51

PhePheProMetLeuGlyGlyLeuSerProProGlyAlaLeuThrThrLeuGlnHisGlnLeuProValSerGlyTyrSerThrPro

181 TTCTTCCCTATGCTGGGTGGACTCTCCCCGCCAGGCGCTCTGACCACCTCTCCAGCACCGACTTCCAGTTAGTGGATATAGCACACCA

61

71

81

SerProAlaThrIleGluThrGlnSerSerSerSerSerGluGluIleValProSerProProSerProProLeuProProArgIleTyrLys

271 TCCCCAGGCACCATTTGAGACCCAGAGCAGATTCTGAAGAGATAGTGGCAGGCCCTCCCTCGCCACCCCTCTACCCCGCATCTACAAG

**FIG. 1B-2**

91 101 111  
 ProCysPheValCysGlnAspLysSerSerGlyTyrHisTyrGlyValSerAlaCysGluGlyCysLysGlyPhePheArgSerIle  
 361 CCTTGCTTTGCTGCTCAGGACAAGTCTCAGGCTACCACTATGGGCTCAGGCTGTGAGGCTGCAAGGCTTCTTCGCGCGCAGCATC  
 121 131 141  
 GlnLysAsnMetValTyrThrCysHisArgAspLysAsnCysIleIleAsnLysValIThrArgAsnArgCysGlnTyrCysArgLeuGln  
 451 CAGAAGAACATGGTGTACAGTGTACCGGGACAAAGAACTGCATCATCAACAAGGTGACCCGGAACCGCTGCCAGTACTGCCGACTCGCAG  
 151 161 171  
 LysCysPheGluValIGlyMetSerLysGluSerValArgAsnAspArgAsnLysLysLysGluValProLysProGluCysSerGlu  
 541 AAGTGCTTTGAAGTGGGCATGTCCAAGGAGTCTGTGAGAAACGACCCGAAACAAGAAAGAGGAGGTGCCCAAGCCCGAGTGTCTGTGAG  
 181 191 201  
 SerTyrThrLeuThrProGluValIGlyGluLeuIleGluLysValArgLysAlaHisGlnGluThrPheProAlaLeuCysGlnLeuGly  
 631 AGCTACAGCTGACGCCCGGAGTGGGGAGCTCATTTGAGAAGGTGGCAAGGCGCACCAAGAAACCTTCCCTGCCCTCTGCCAGCTGGGCG  
 211 221 231  
 LysTyrThrThrAsnAsnSerSerGluGlnArgValSerLeuAspIleAspLeuTrpAspLysPheSerGluLeuSerThrLysCysIle  
 721 AAATACACTACGAACAACAGCTCAGAACACGTTCTCTCTGGACATTGACCTCTGGGACAAGTTTCAGTGAACCTCTCCACCAAGTGCATC  
 241 251 261  
 IleLysThrValGluPheAlaLysGlnLeuProGlyPheThrThrLeuThrIleAlaAspGlnIleThrLeuLeuLysAlaAlaCysLeu  
 811 ATTAAGACTGTGGAGTTCGCCAAGCAGCTGCCCGGCTTCACCACCTCACCATTGCGGACCCAGATCACCTCTCTCAAGGCTGCCTGCCTG  
 271 281 291  
 AspIleLeuIleLeuArgIleCysThrArgTyrThrProGluGlnAspThrMetThrPheSerAspGlyLeuThrLeuAsnArgThrGln  
 901 GACATCCTGATCCTGGGATCTGCACCGGTACACGCCCGGACGAGCACCATGACCTTCTCGGACGGGCTGACCTCTGAACCGGACCCAG  
 301 311 321  
 MetHisAsnAlaGlyPheGlyProLeuThrAspLeuValPheAlaPheAlaAsnGlnLeuLeuProLeuGluMetAspAspAlaGluThr  
 991 ATGCACAACGCTGGCTTCGGCCCCCTCACCGACCTGGTCTTTGCCCTTCGCCCAACCAGCTGCTGCCCTGGAGATGGATGATGCGGAGACG  
 331 341 351  
 GlyLeuLeuSerAlaIleCysLeuIleCysGlyAspArgGlnAspLeuGluGlnProAspArgValAspMetLeuGlnGluProLeuLeu  
 1081 GGGCTGCTCAGCGGCATCTGCTCATCTCGGAGACCGCAGGACTGGAGCAGCCGGGTGGACATGCTGCAGGAGCCGCTGCTG



FIG. 2A

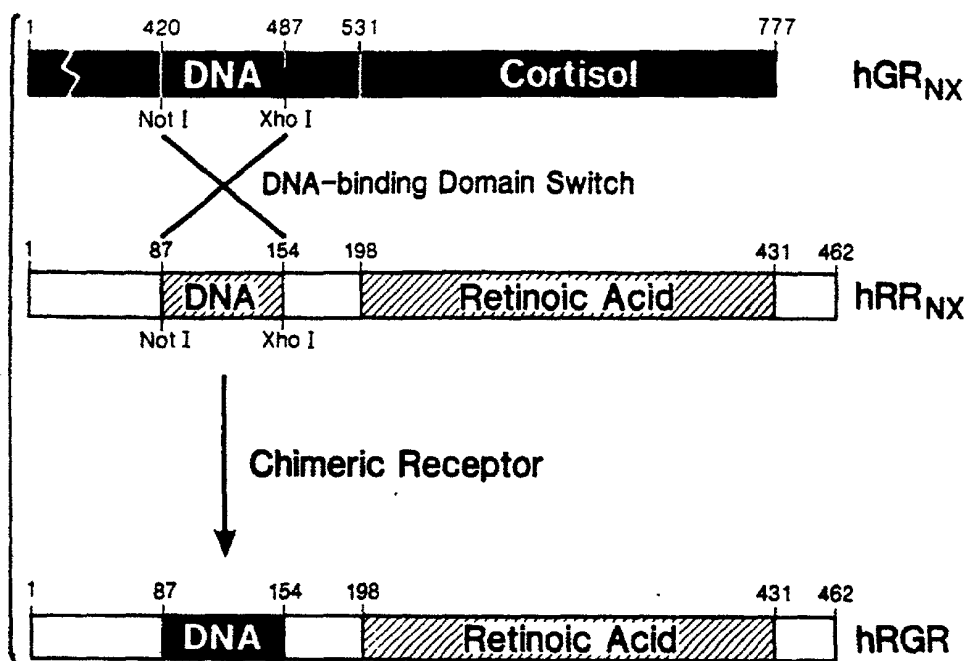


FIG. 2B

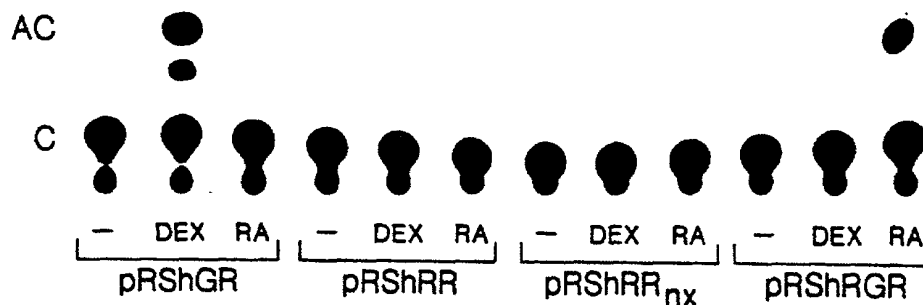


FIG. 3A

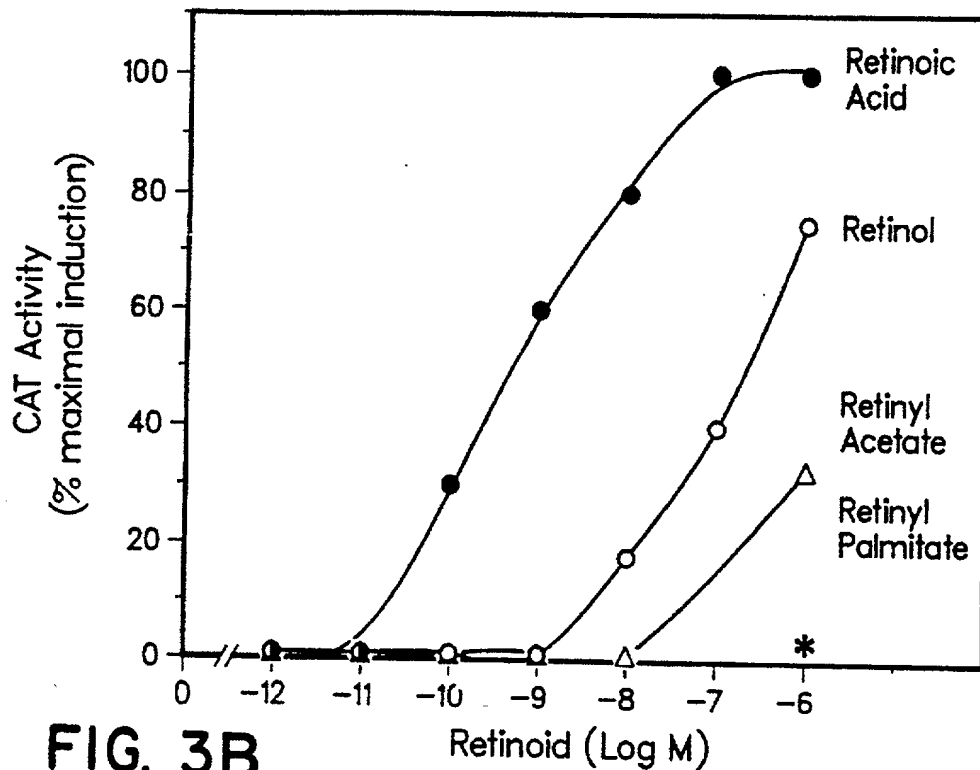


FIG. 3B

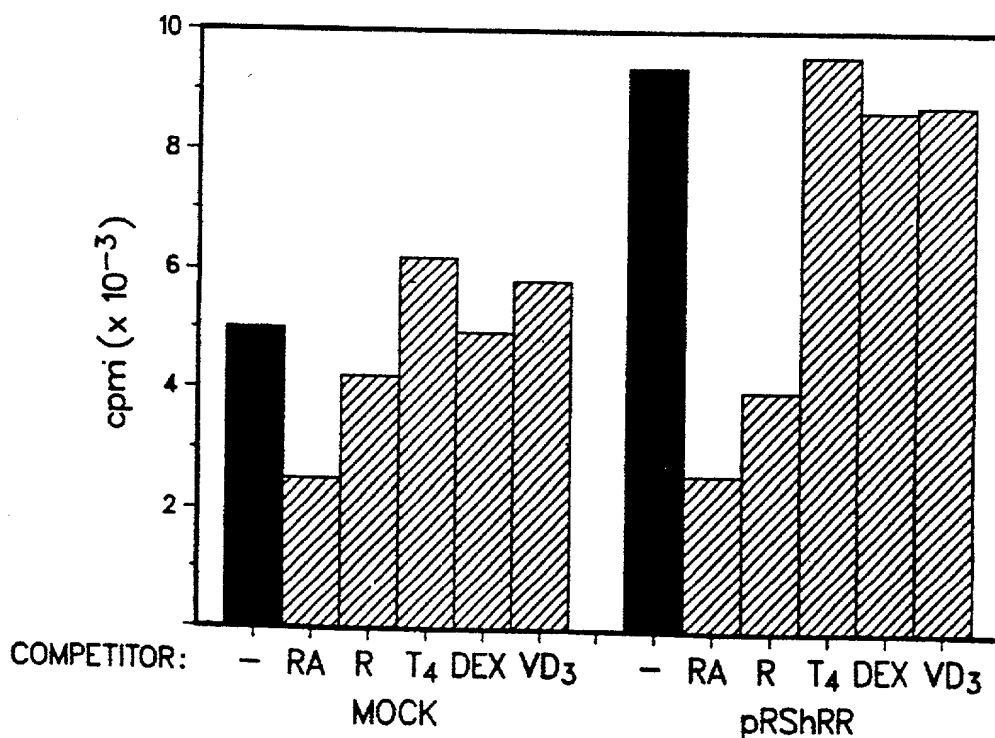


FIG.4A

Bam HI  
Bgl II  
EcoRI  
Hind III  
Pst I  
Pvu II

23.0-

9.5-

6.6-

4.2-

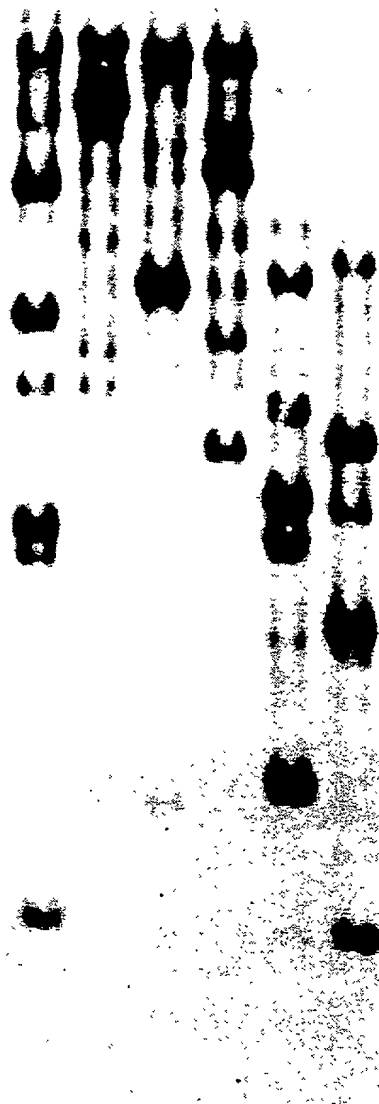
2.3-

2.0-

0.5-

FIG.4B

Bam HI  
Bgl II  
EcoRI  
Hind III  
Pst I  
Pvu II



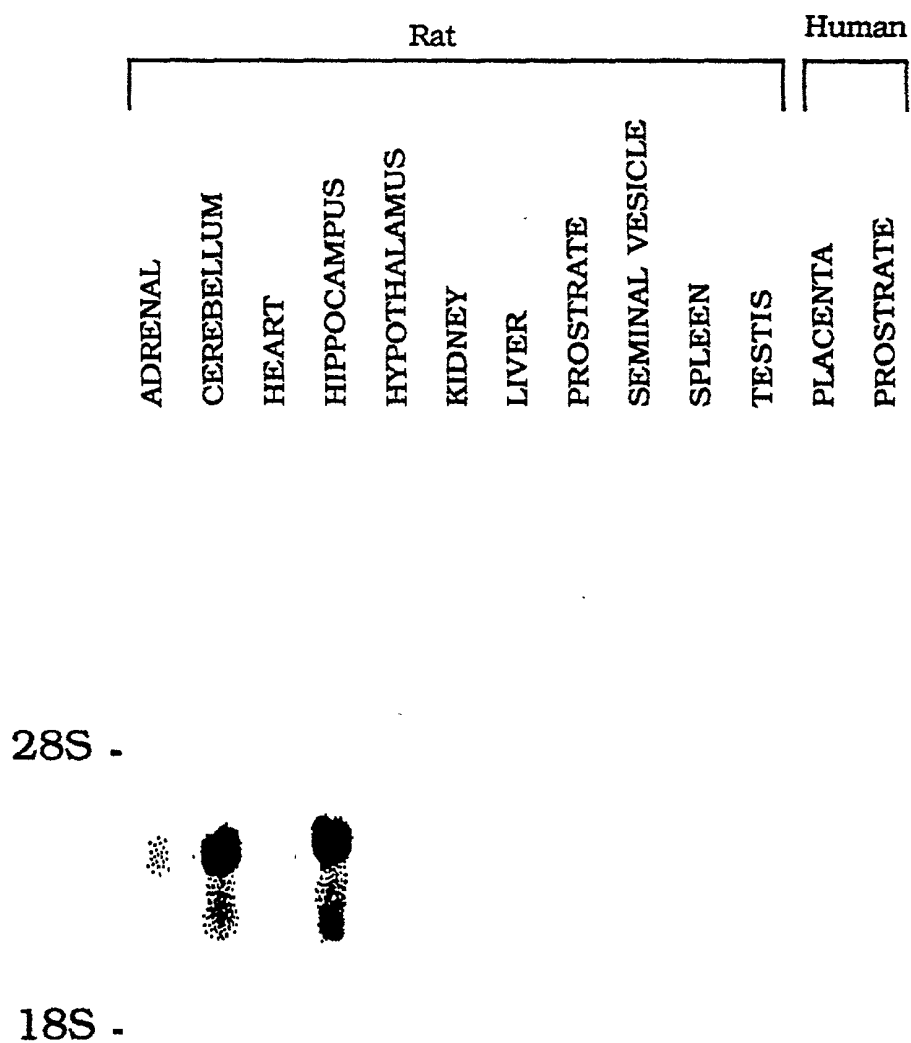


FIGURE 5

FIG. 6

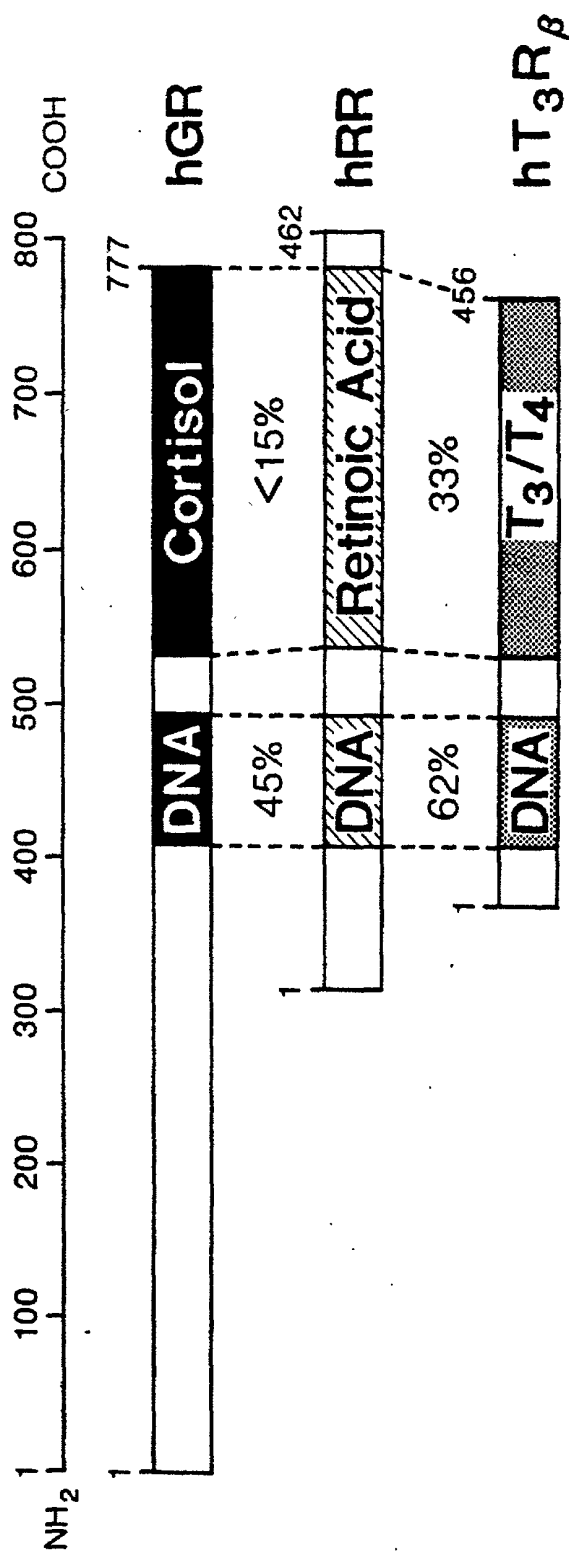




FIG. 7

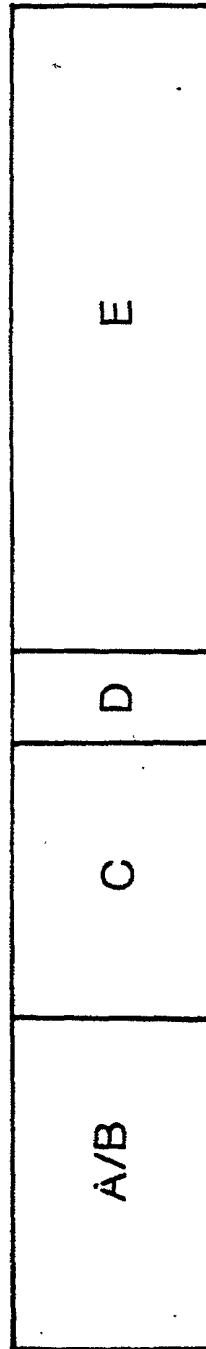


FIG. 8-1

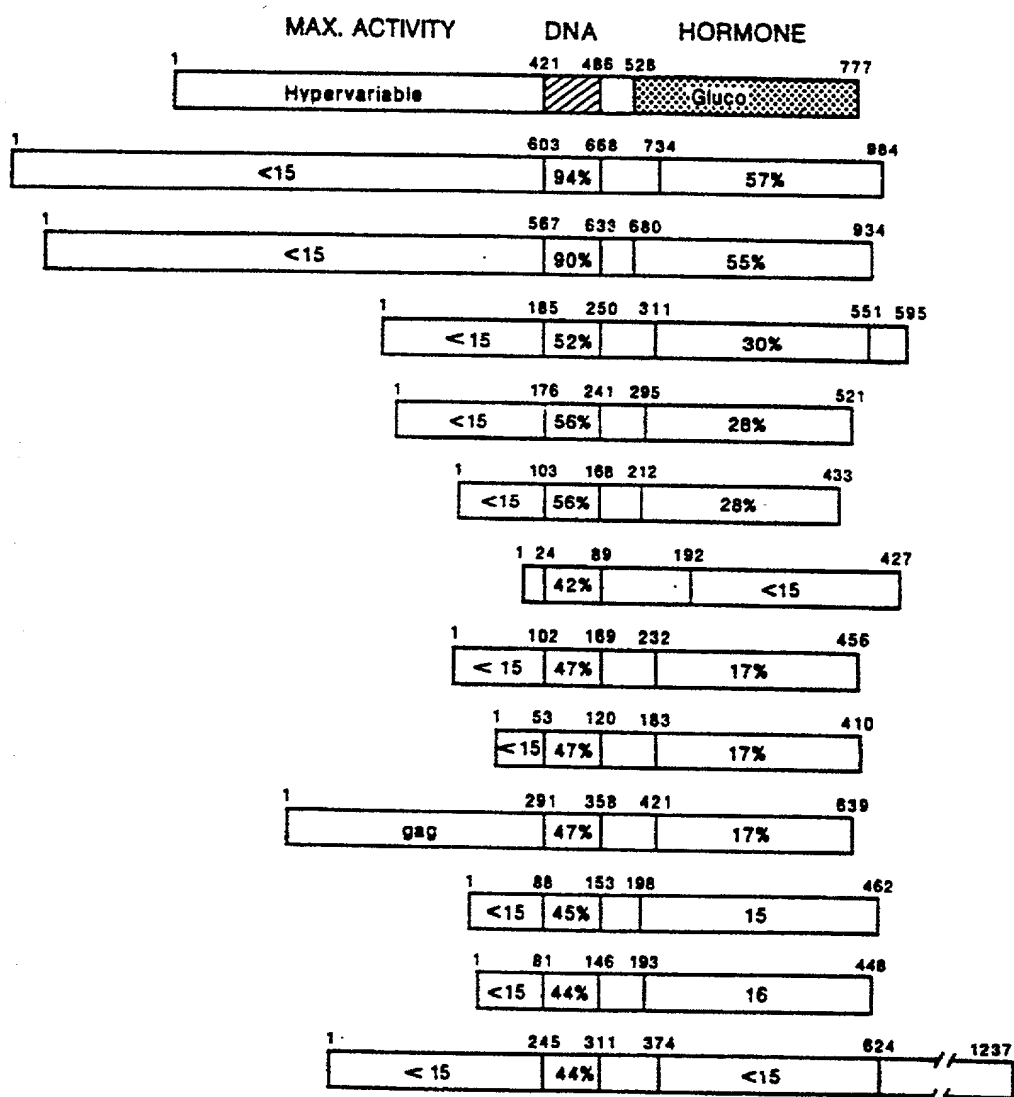
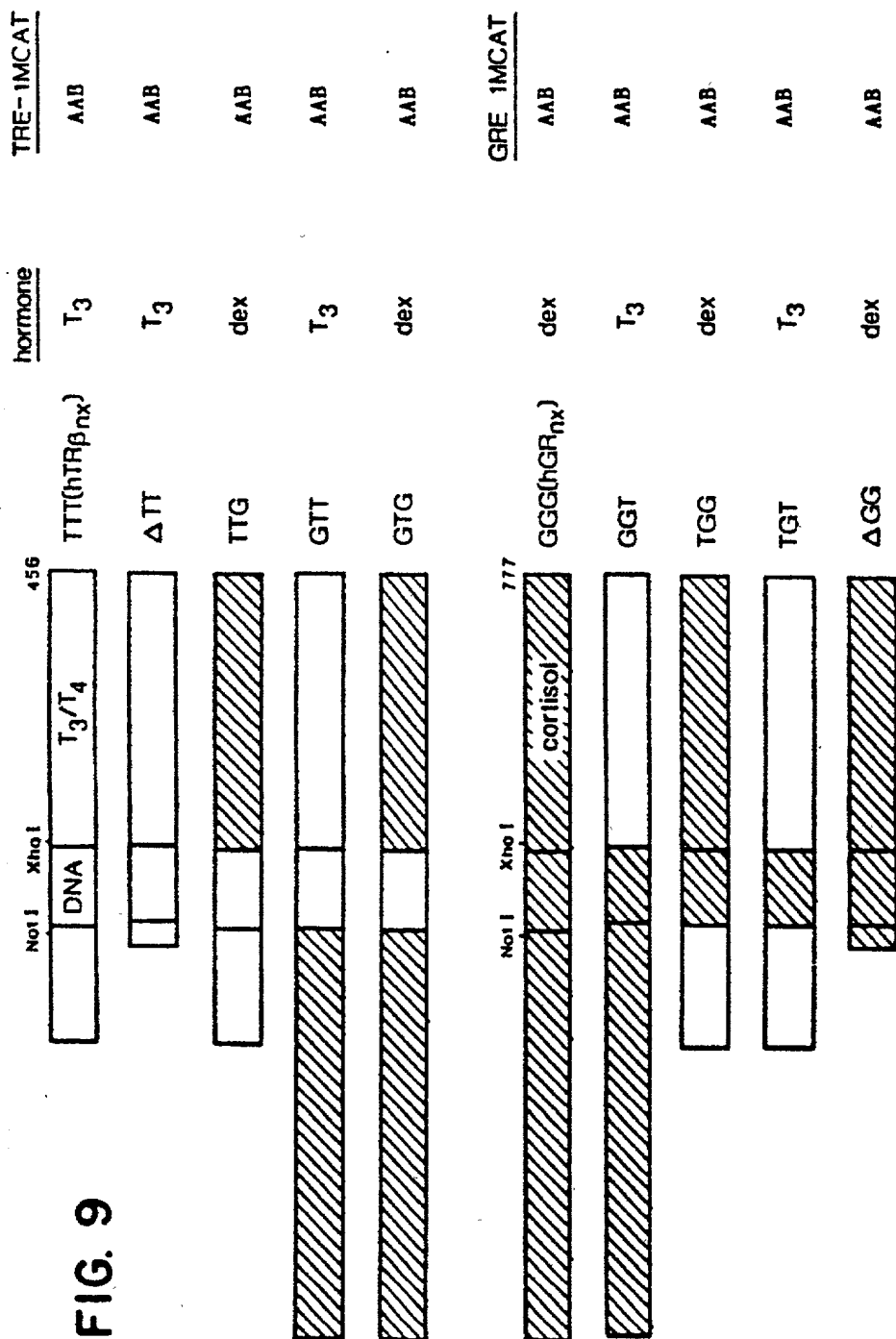


FIG. 8-2

	HRE	DNA BINDING	HORMONE BINDING IN VITRO	IN VIVO	TRANS- ACTIVATION	CHROMO- SOME	SPECIES
GR	+ <sup>15-19</sup>	+ <sup>16,17,21</sup>	+ <sup>25,82</sup>	+ <sup>48,52, 77</sup>	+ <sup>48,52, 78,79</sup>	5 <sup>26</sup>	h, <sup>26</sup> r, <sup>77</sup> m, <sup>78</sup>
MR	nd	nd	nd	+ <sup>36</sup>	+ <sup>36</sup>	4 <sup>36</sup>	h <sup>36</sup>
PR	+ <sup>24,34</sup>	+ <sup>24,34</sup>	nd	nd	+ <sup>34</sup>	11 <sup>79</sup>	rabbit, <sup>32</sup> h, <sup>33</sup> c, <sup>34</sup>
ER	+ <sup>22,23</sup>	+ <sup>23,62</sup>	nd	+ <sup>23,53, 62</sup>	+ <sup>53,62</sup>	6 <sup>62</sup>	h, <sup>29</sup> c, <sup>30</sup> frog <sup>31</sup>
ERR1	nd	nd	nd	nd	nd	nd	h <sup>39</sup>
ERR2	nd	nd	nd	nd	nd	nd	h <sup>39</sup>
VDR	nd	nd	nd	+ <sup>35</sup>	nd	nd	h, <sup>35</sup> c <sup>35</sup>
T <sub>3</sub> R <sub>β</sub>	+ <sup>25</sup>	+ <sup>25</sup>	+ <sup>37</sup>	nd	+ <sup>80</sup>	3 <sup>37</sup>	h <sup>37</sup>
T <sub>3</sub> R <sub>α</sub>	nd	nd	+ <sup>38,40</sup>	nd	+ <sup>80</sup>	17 <sup>40</sup>	r, <sup>40</sup> h, <sup>41</sup> c <sup>38</sup>
V-erb A	+	+	(-) <sup>38</sup>	nd	nd	virus	c <sup>28</sup>
RAR	nd	nd	nd	+ <sup>42,43</sup>	+ <sup>42,43</sup>	17 <sup>83</sup>	h <sup>42,43</sup>
HAP	nd	nd	nd	nd	nd	3 <sup>45</sup>	h <sup>45</sup>
E75	nd	nd	nd	nd	nd		d <sup>46</sup>



AAB = Activation Above Background